

Figure 1a: C. Adachi, et. al.

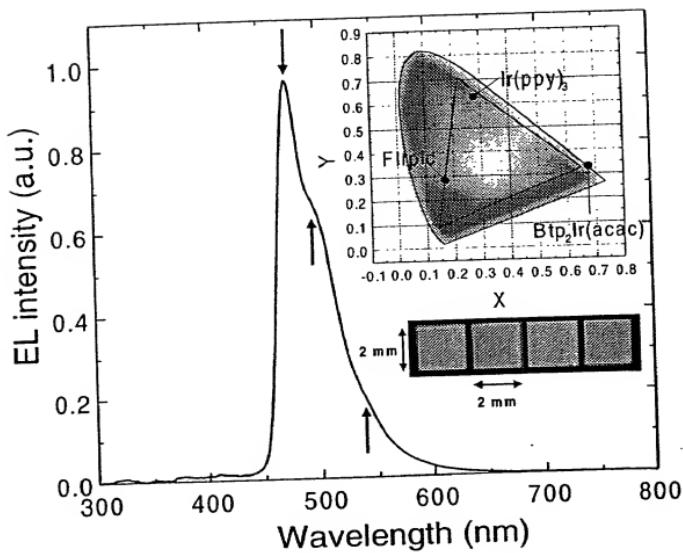


Figure 1b: C. Adachi, et. al.

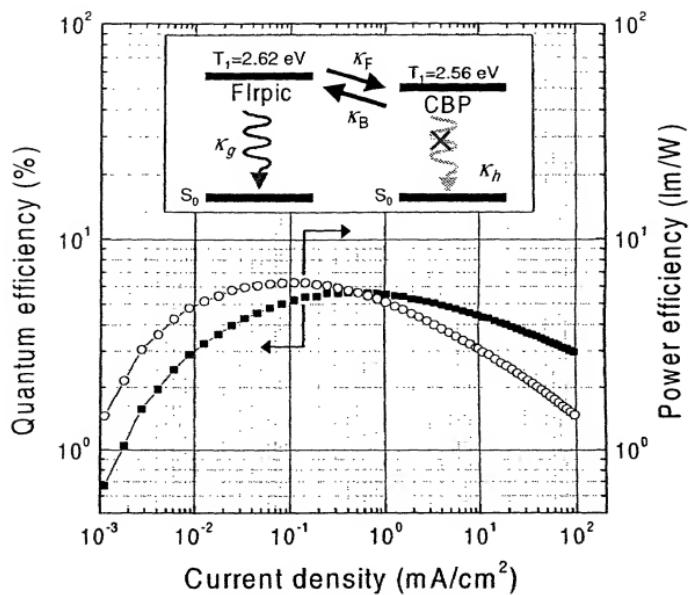


Figure 2: C. Adachi, et.al.

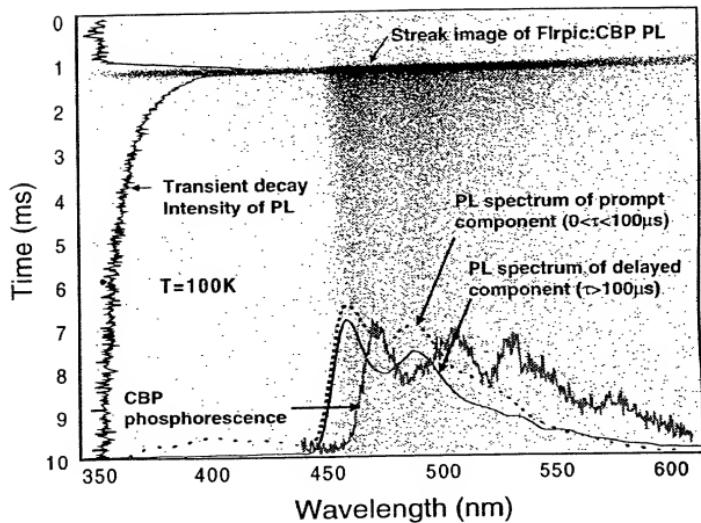


Figure 3: C. Adachi, et. al.

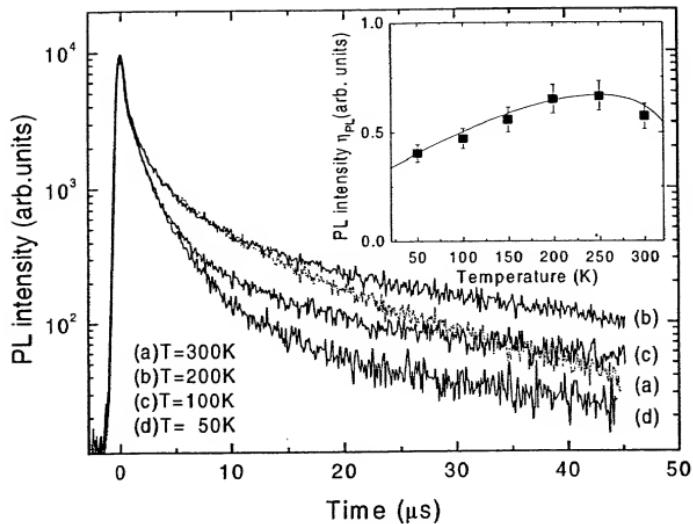
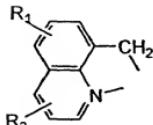
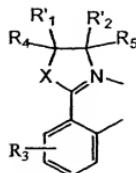
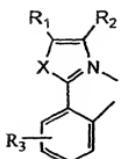
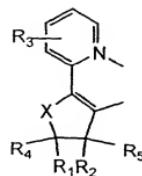
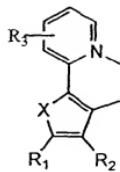
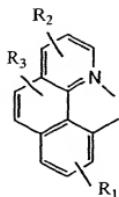
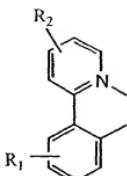
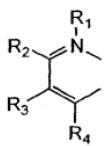


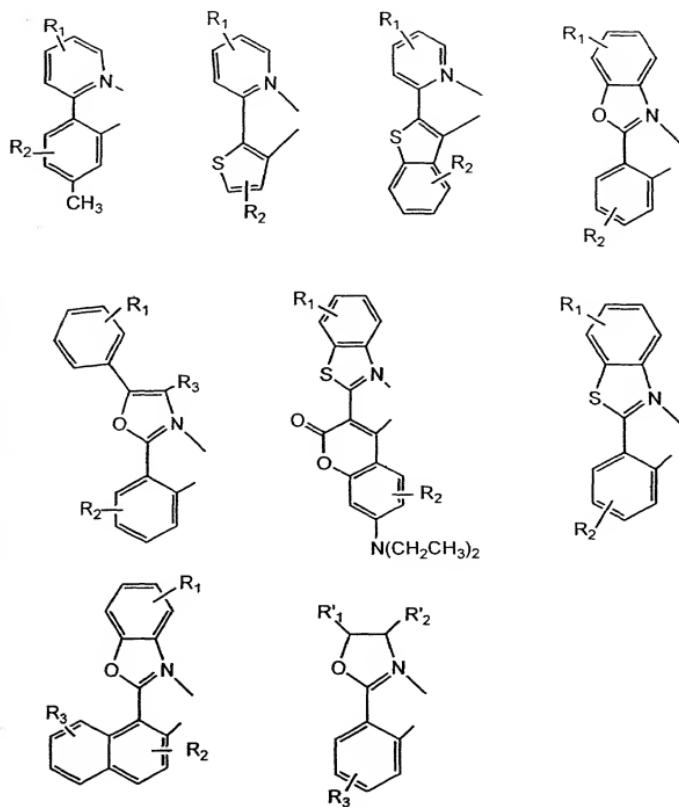
Figure 4: C. Adachi, et.al.

figure 59

Generic Mono-Anionic, Bidentate, Carbon-Coordination Ligands-I



Generic Mono-Anionic, Bidentate, Carbon-Coordination Ligands-II



Generic Mono-Anionic, Bidentate, Carbon-Coordination Ligands-III

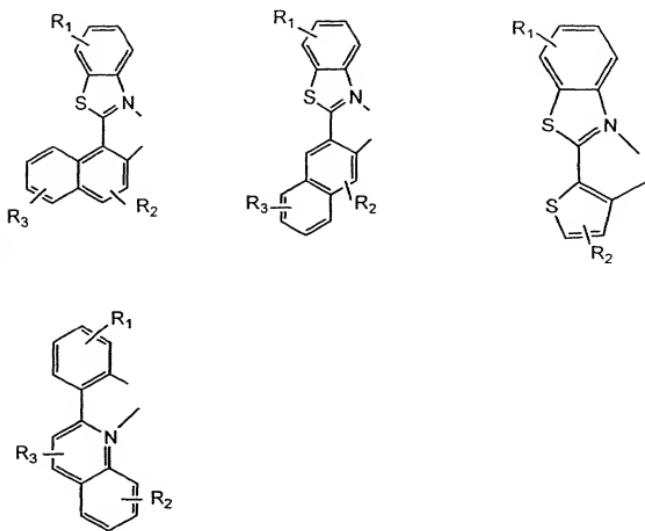
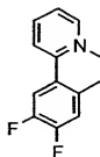
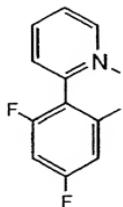
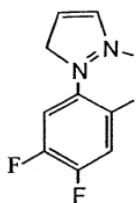


Figure 5d

Specific Mono-Anionic, Bidentate, Carbon-Coordination Ligands-I



UDC Proprietary and Confidential

Figure 6a

Generic Non-Mono-Anionic, Bidentate, Carbon-Coordination Ligands-I

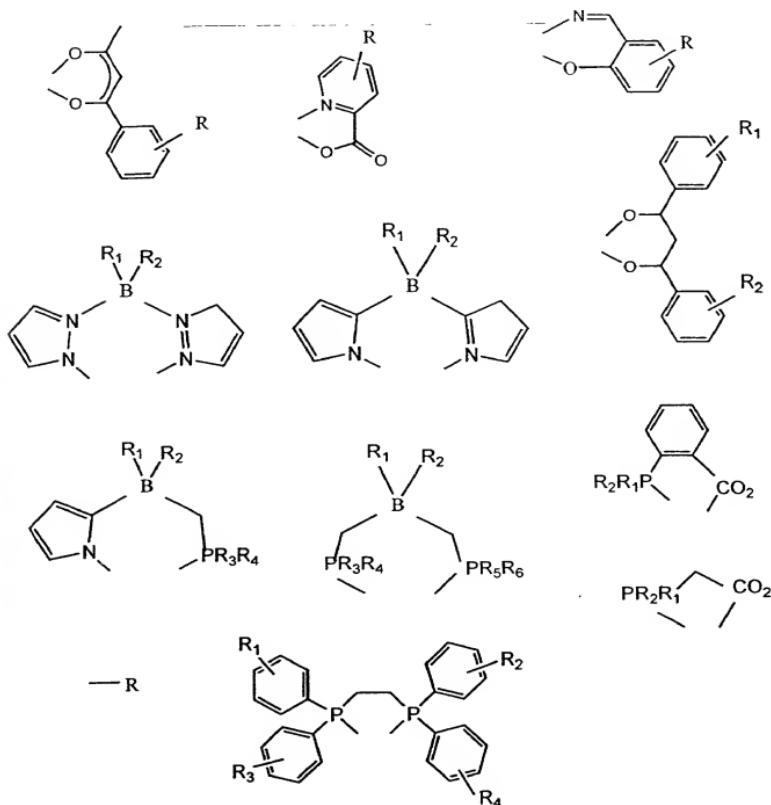


Figure 6b

Generic Non-Mono-Anionic, Bidentate, Carbon-Coordination Ligands-II

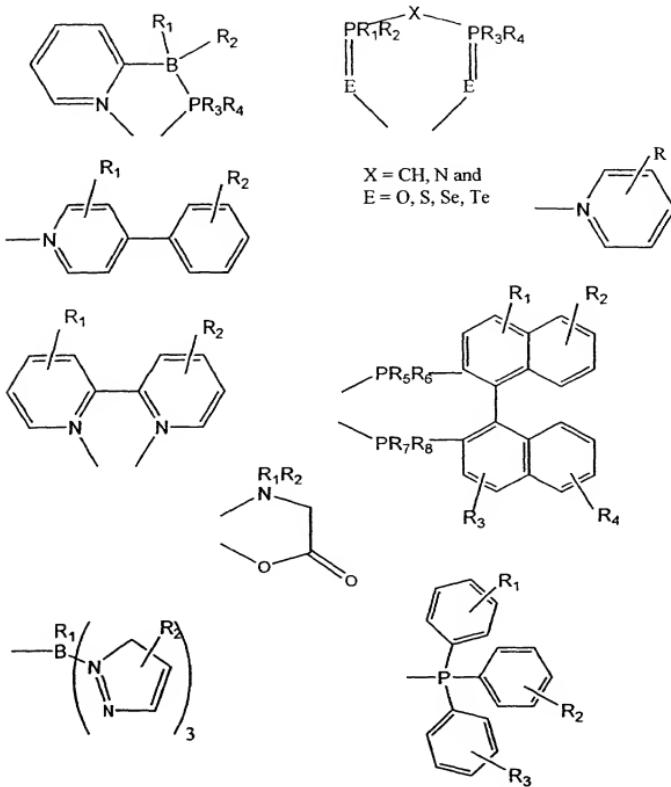


Figure 6c

Specific Non-Mono-Anionic, Bidentate, Carbon-Coordination Ligands

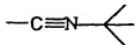
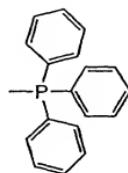
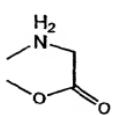
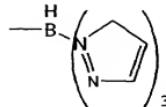
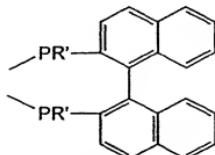
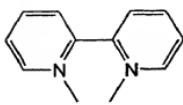
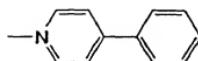
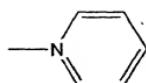
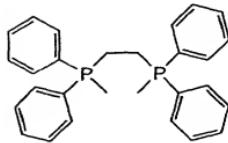
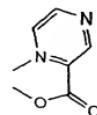
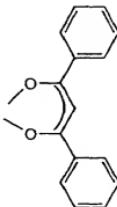
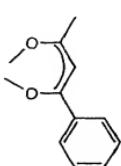
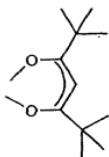
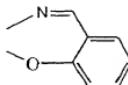
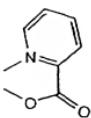
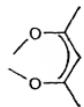


Figure 7a

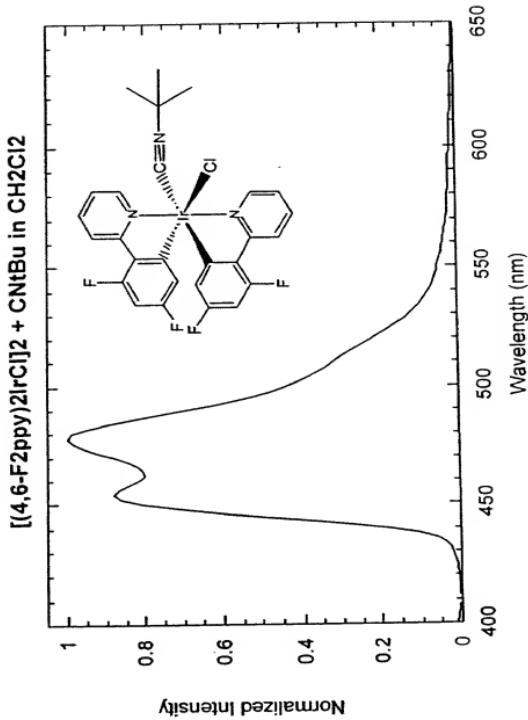


Figure 7b

$[\text{Ir}(4,6\text{-F}_2\text{ppy})_2\text{Cl}]_2 + 4\text{-Phpyr}$ in CH_2Cl_2

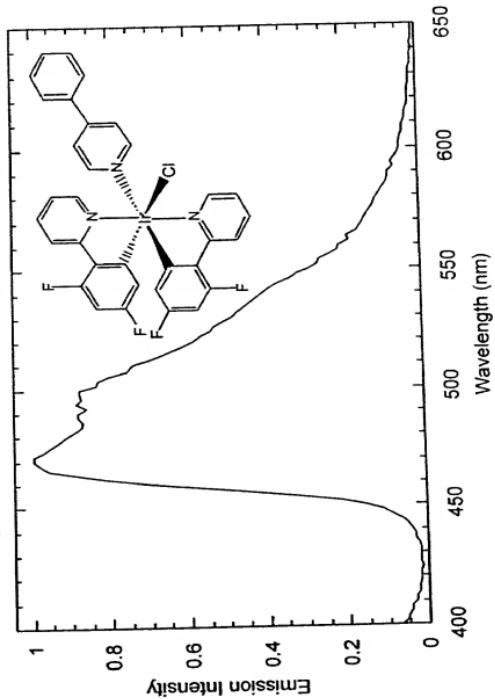


Figure 7c

$[\text{Ir}(4,6\text{-F}_2\text{ppy})_2\text{Cl}]_2 + \text{pyr}$ in CH_2Cl_2

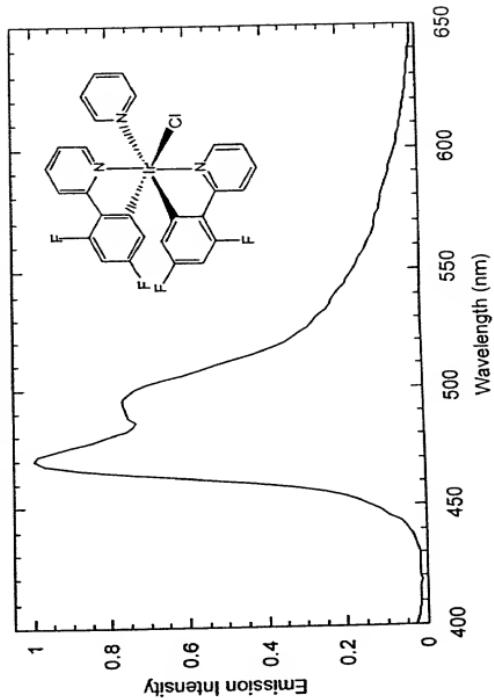


Figure 7d

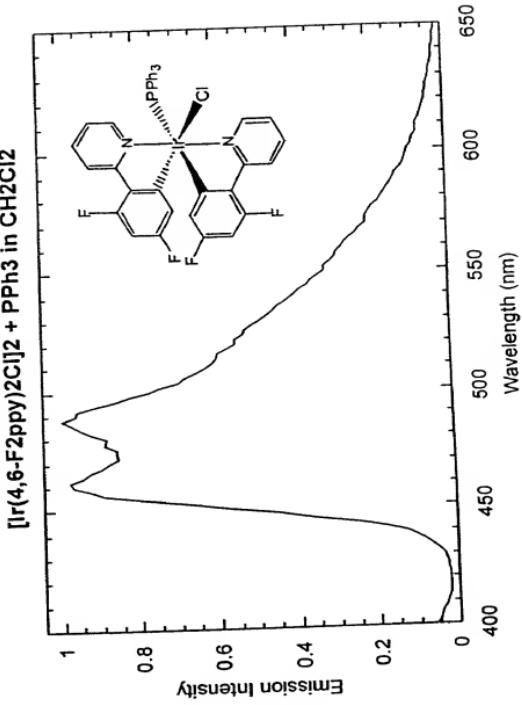


Figure 7e

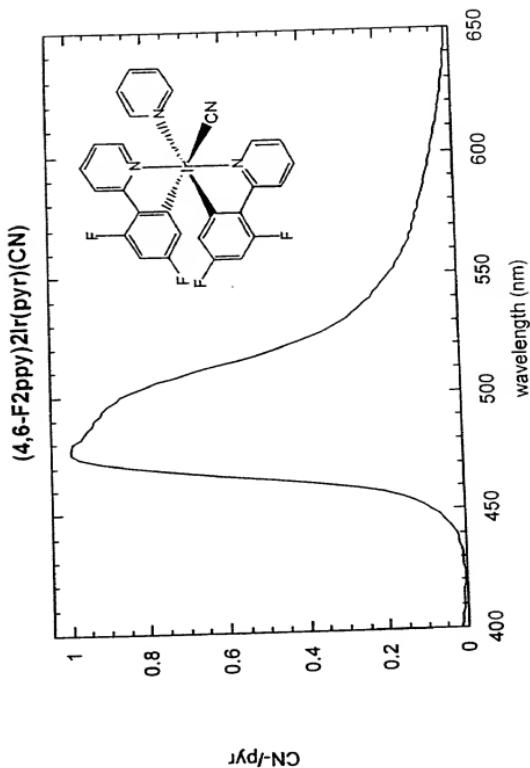


Figure 7f

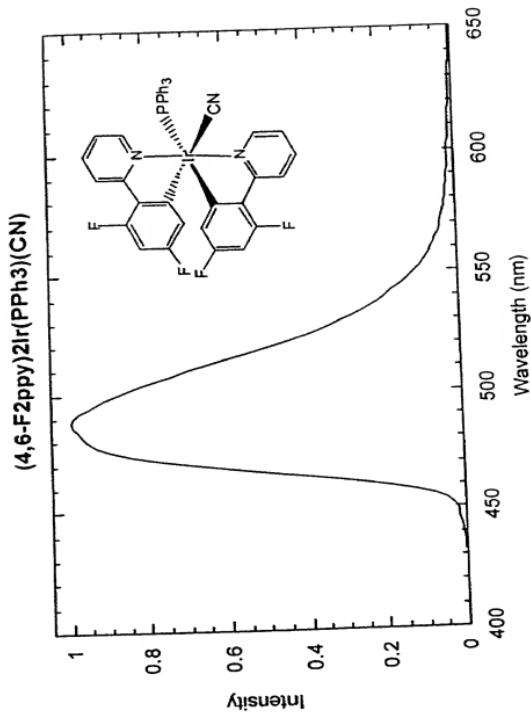


Figure 79

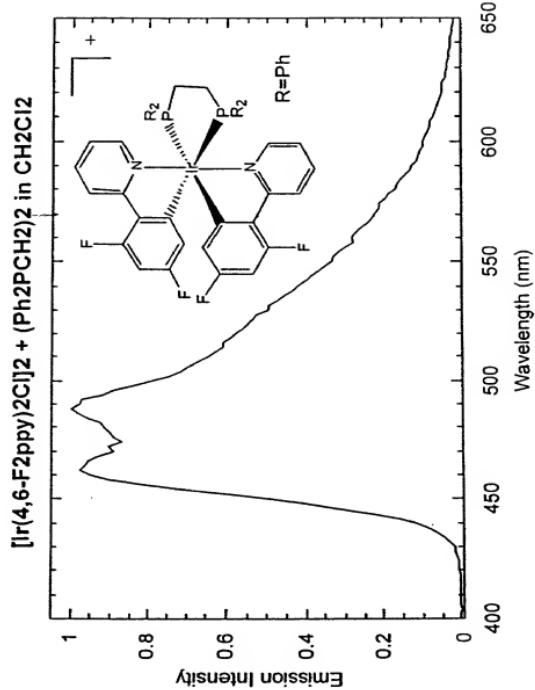
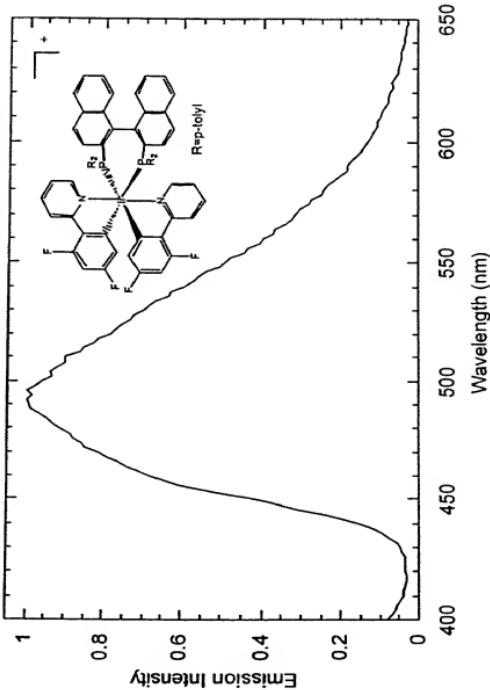


Figure 7h

$[\text{Ir}(\text{4,6-F}_2\text{ppy})_2\text{Cl}]_2 + (\text{p-TolbNaph})$ in CH_2Cl_2



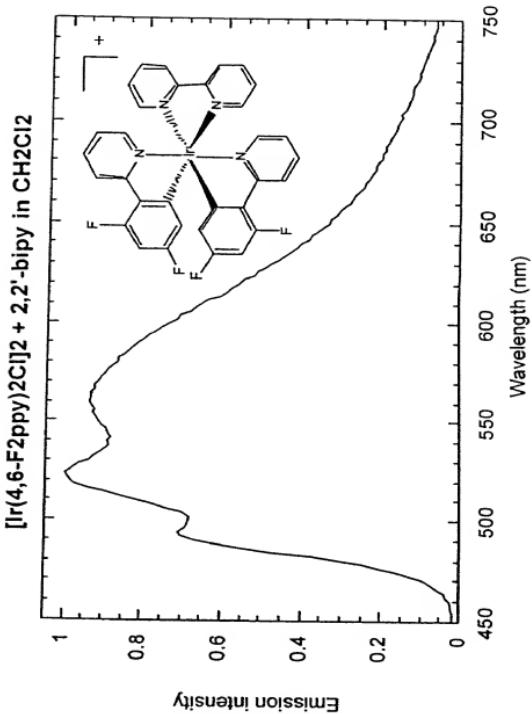


Figure 7.

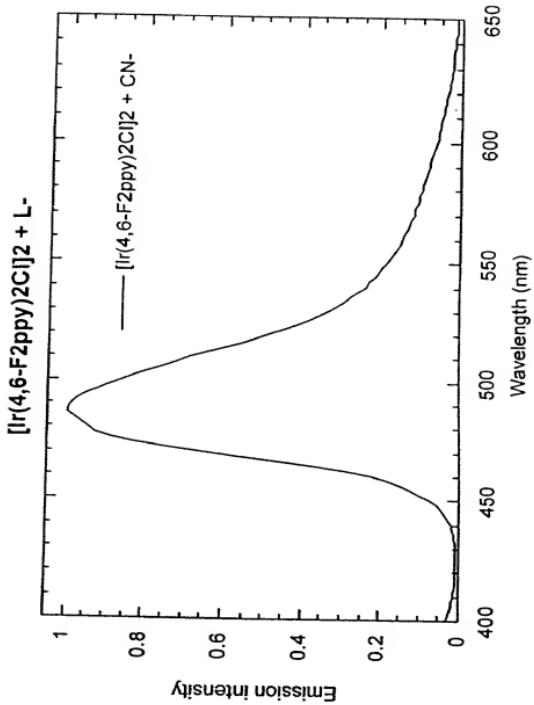


Figure 7k

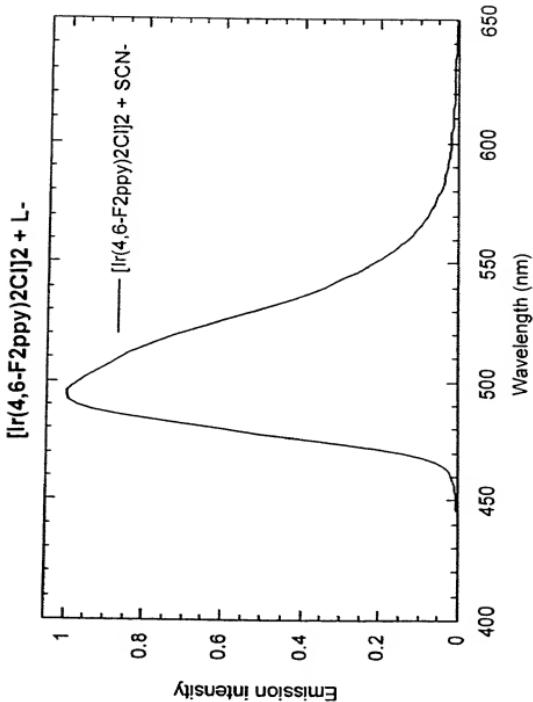


Figure 7

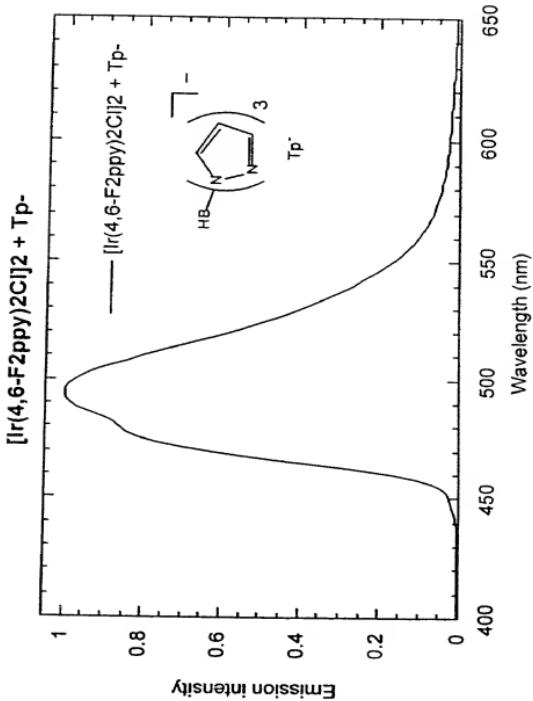


Figure 7m

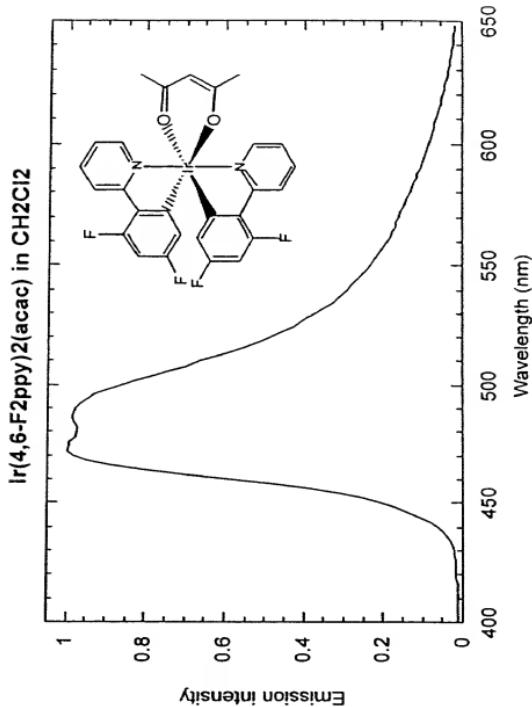


Figure 7n

(4,6-F2ppy)2Ir(glycine)

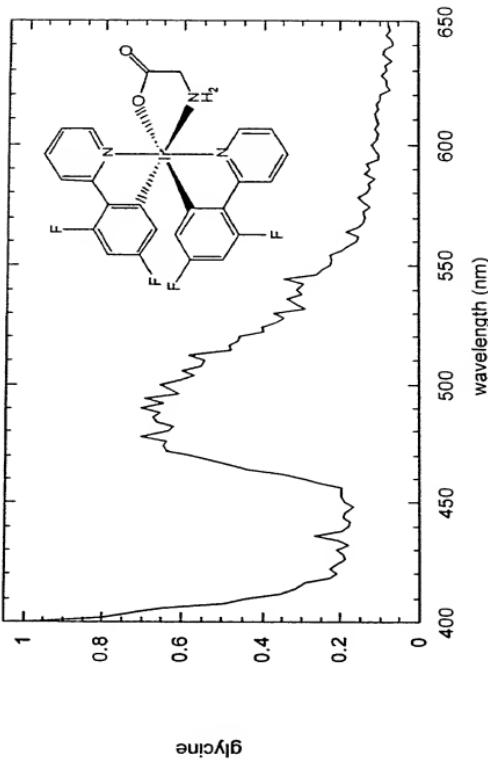


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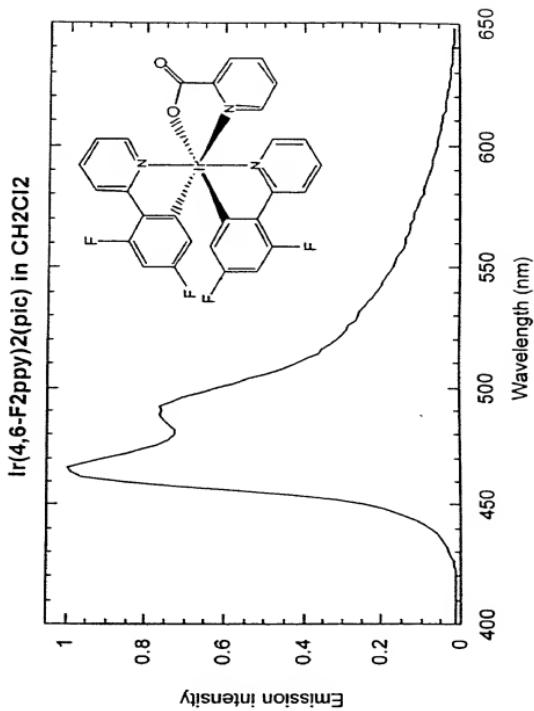


Figure 79

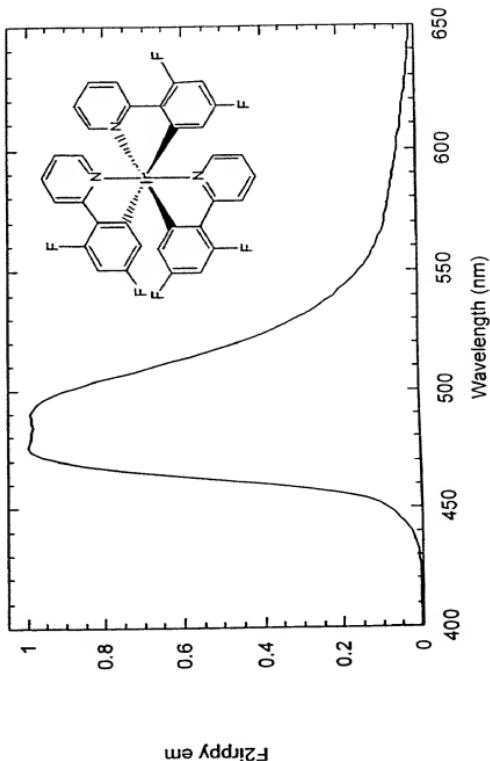


Figure 7

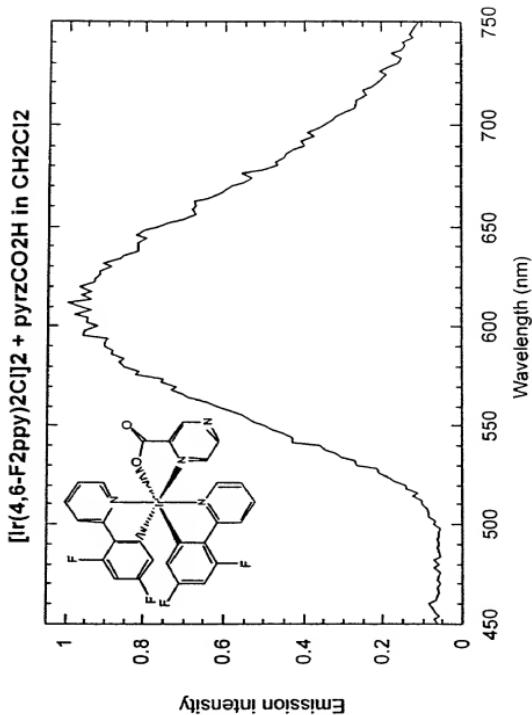


Figure 7r

(4,5-F2ppz)2Ir(pic)

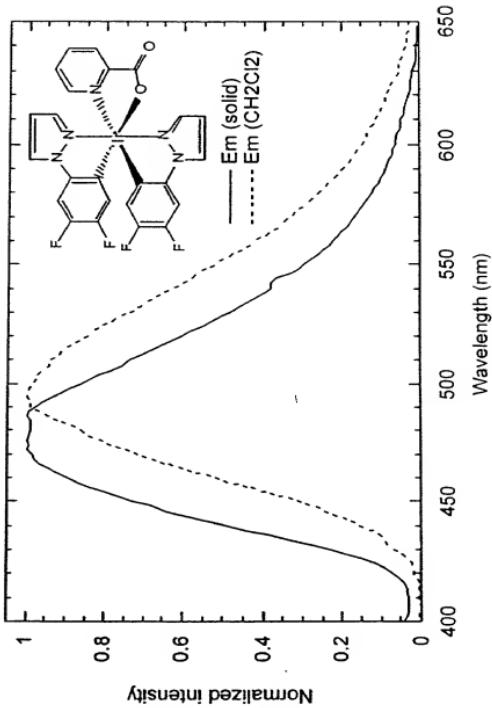


Figure 8a

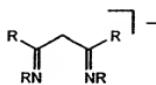
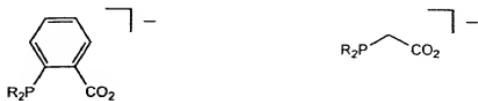
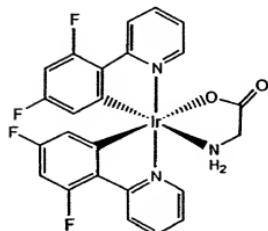
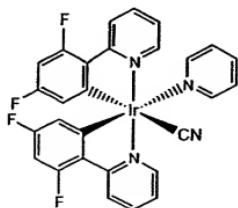
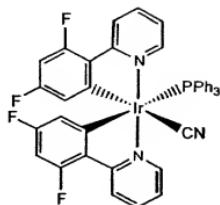
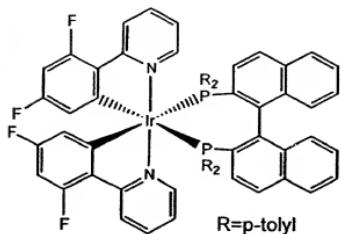
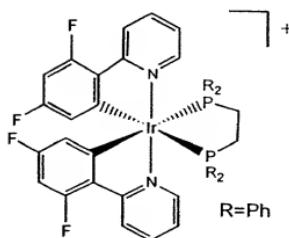
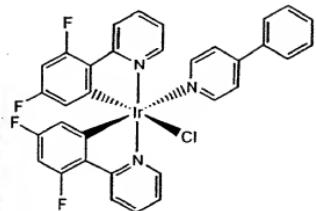
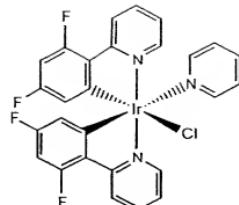
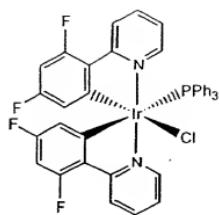


Fig. 8e



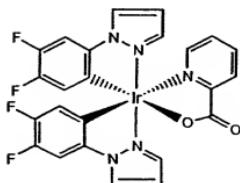
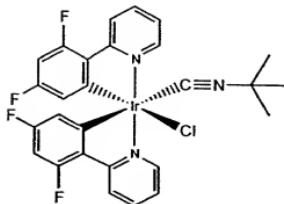
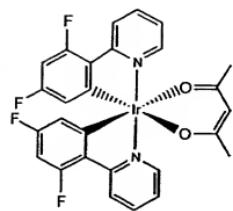
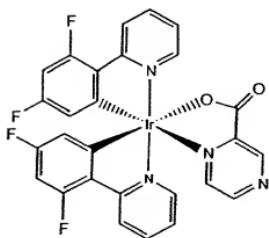
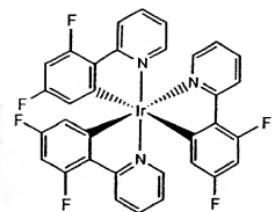
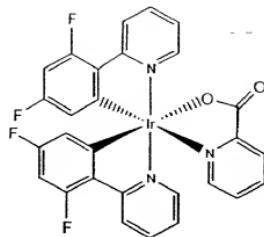
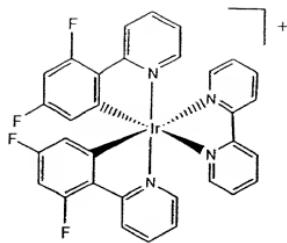
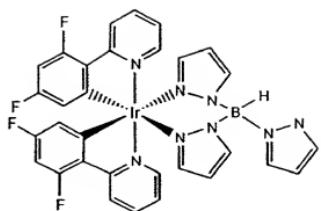
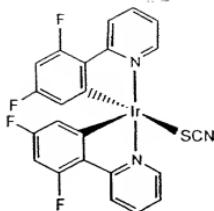
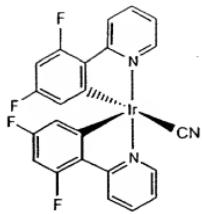
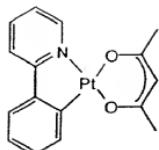


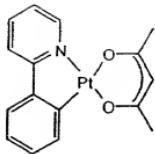
Figure 8d





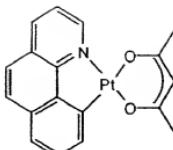
9(a)

(ppy)Pt(acac)



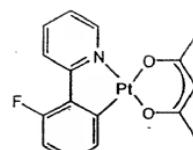
9(b)

(tpy)Pt(acac)



9(c)

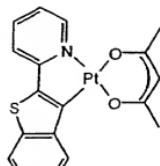
(bzq)Pt(acac)



9(d)

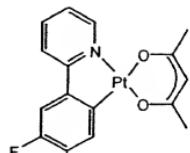
(4,6-F₂ppy)Pt(acac)

Figure 9: Chemical structures of various platinum(IV) complexes.



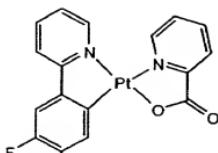
9(e)

(btp)Pt(acac)



9(f)

(4,5-F₂ppy)Pt(acac)



9(g)

(4,5-F₂ppy)Pt(pico)

Figures 9(a) - 9(g)

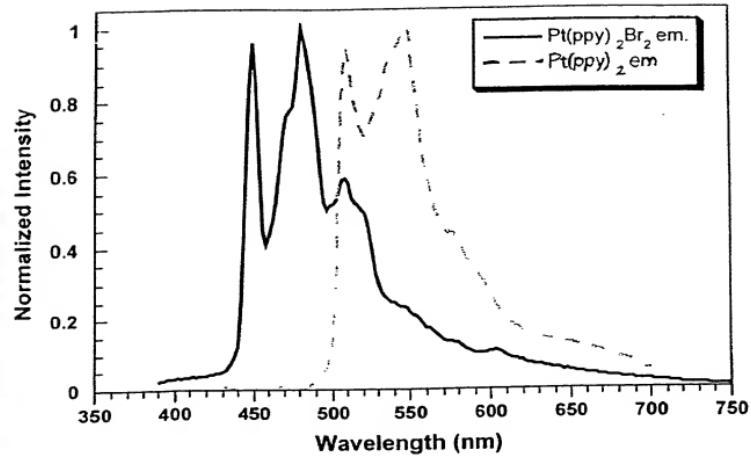


Figure 10

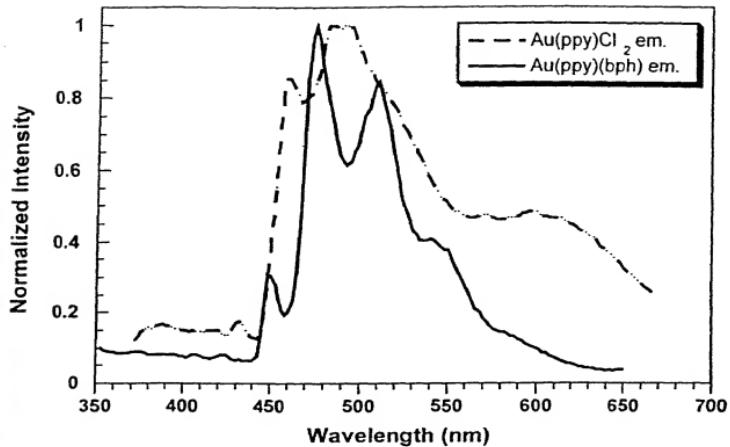


Figure 11

- saturated points in 10 nm intervals
- ◊ (C-N)Pt(LX)
- ☆ white

x	y	#	C-N
0.21	0.5	1	tpy
0.26	0.56	2	bzq
0.65	0.35	3	btp
0.17	0.29	4	4,6-F ₂ ppy
0.2	0.51	5	ppy
0.23	0.56	6	4,5-F ₂ ppy
0.24	0.62	7	* 4,5F ₂ ppy-pico
0.26	0.54	8	4,5-F ₂ ppy_EL
0.262	0.608	9	Ir(ppy) ₃

all (C-N)Pt(acac) except *

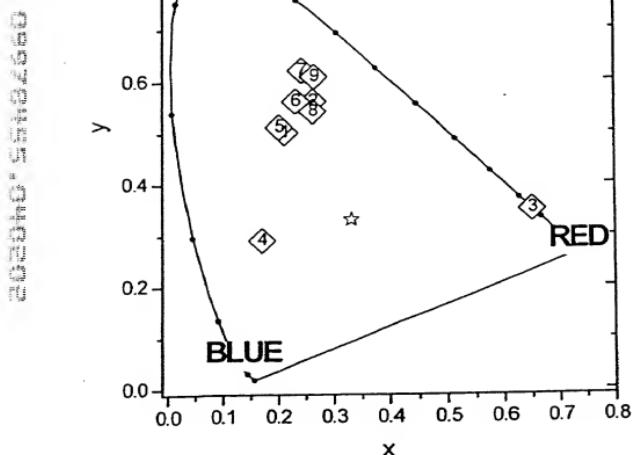


Figure 12

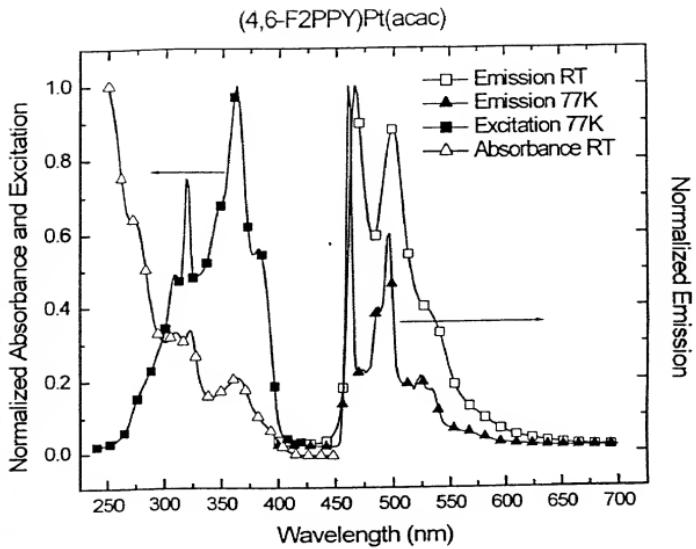


Figure 13

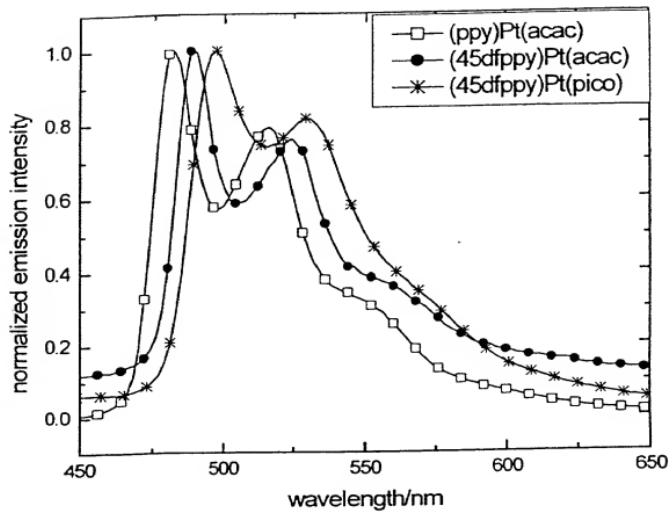


Figure 14

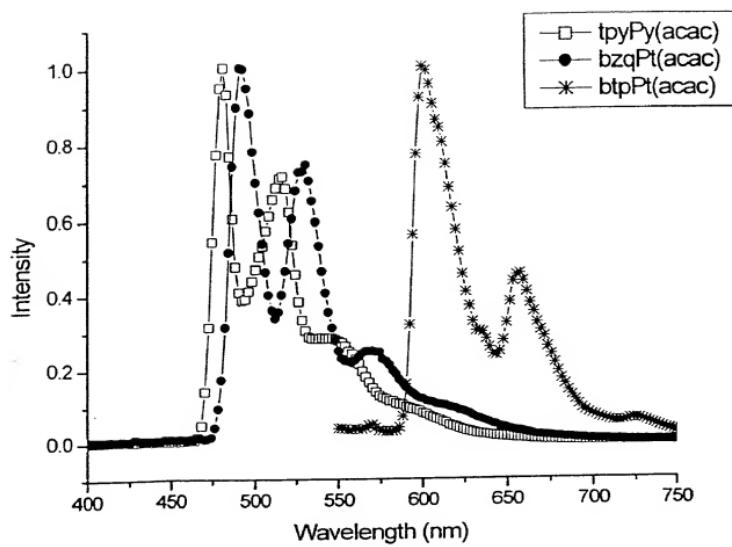


Figure 15

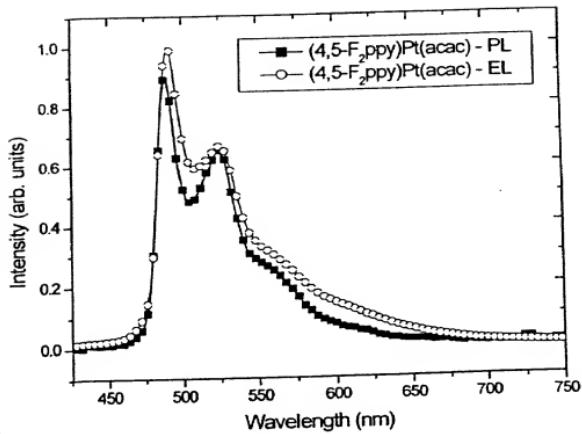


Figure 16

FIG. 17

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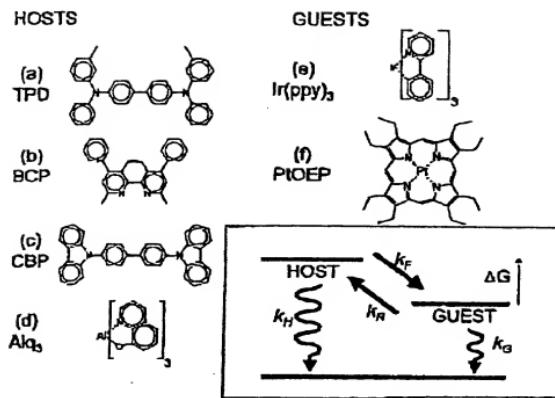


FIG. 18

PRB 62

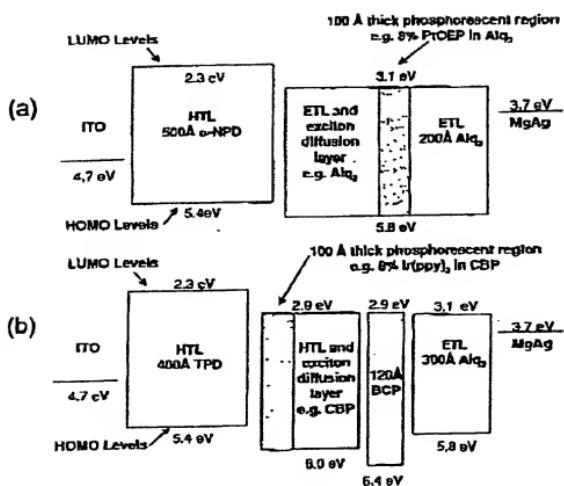


FIG. 19

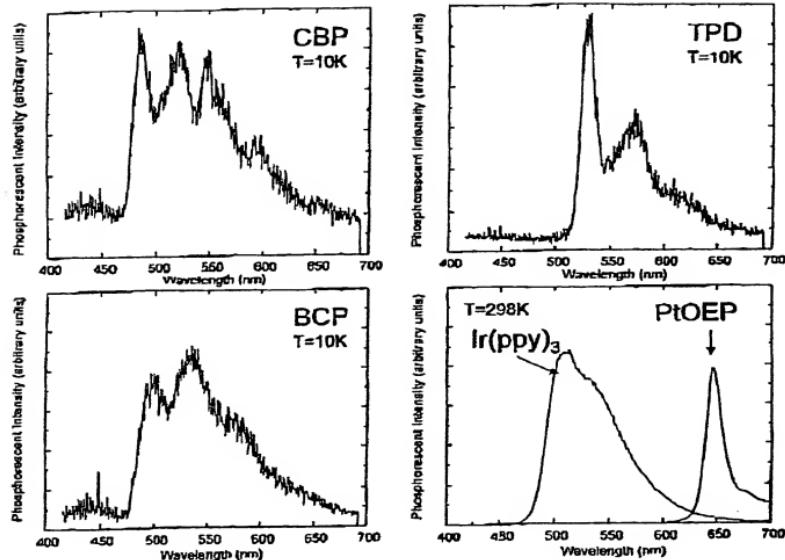


FIG. 20

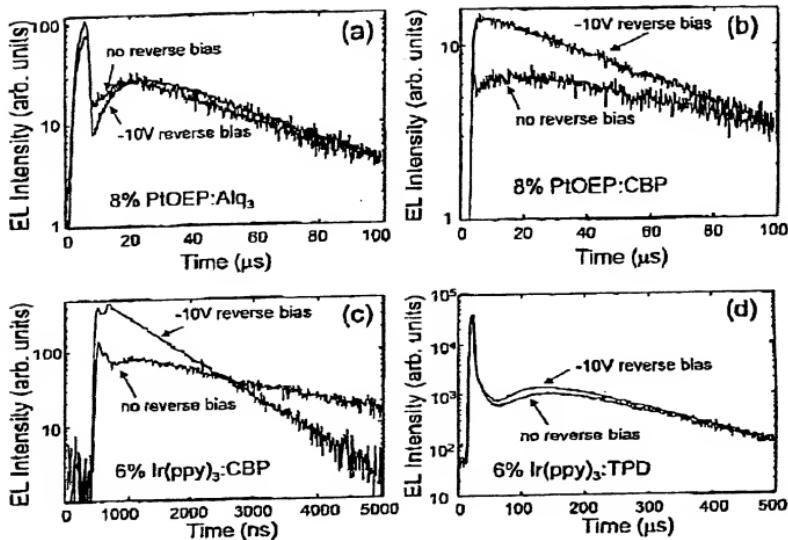


FIG. 21

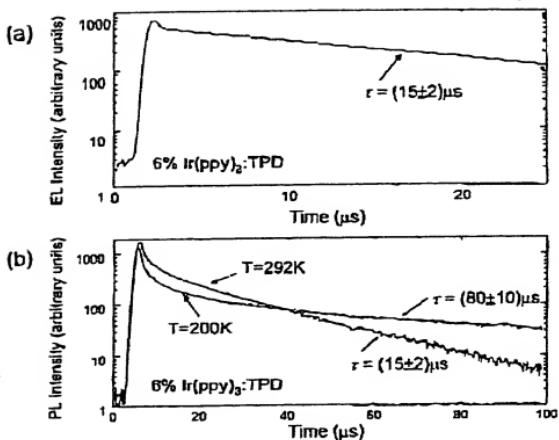


FIG. 22

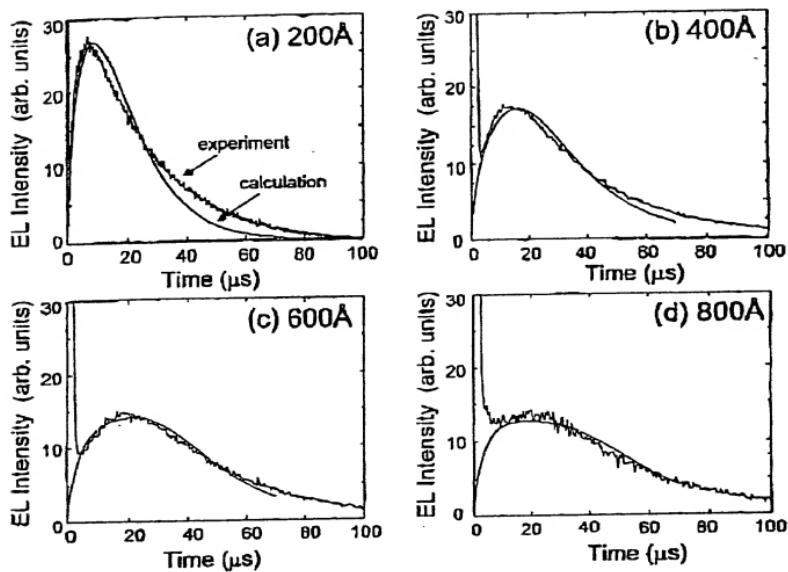


Fig. 23

